

What is claimed is:

1. In an electric mat which includes a heating hose in which a regenerative material is filled, an electric heat cord provided in the electric heat hose, a temperature detector and an indoor temperature detector for detecting a temperature of the interior of a regenerative material, an electric mat using a regenerative material, comprising:

an adiabatic member installed in a bottom of the electric mat;

a heating hose provided on the adiabatic member at a certain interval;

an electric heat cord which is arranged in a concave portion of the heating hose;

an electric heat plate stacked on an upper portion of the heating hose;

a silver fiber layer stacked on an upper portion of the heating hose;

a yellow soil cover layer arranged on an upper portion of the silver fiber layer;

a finishing member which covers an upper side of the yellow soil cover layer;

a controller for controlling a temperature of the electric mat; and

a connection means for engaging the electric mat and the controller.

2. An electric mat of claim 1, wherein a certain space is formed in a center of a bottom surface of the heating hose, and another surface of the same is formed

in a semi circular shape or a rectangular shape, and an electric heat cord is arranged in a space formed in the concave portion in a longitudinal direction, and a plugging cap hermetically seals both ends of the heating hose.

5     3.       An electric mat of claim 1, wherein said heating hose is formed of an upper hose and a lower hose each having a concave portion formed in a center in a longitudinal direction, and said upper hose has an engaging groove formed in one side, and said lower hose has an engaging portion corresponding to the engaging groove, and an electric heat cord is inserted in the center, and the engaging  
10   groove and the engaging portion are engaged each other, and then a plugging cap is hermitically engaged to both ends of the heating hose.

4.       An electric mat of claim 1, wherein said heating hose is assembled in such a manner that a straight line type heating hose and a curve line type heating hose  
15   are engaged each other.

5.       In an electric mat which includes a heating hose in which a regenerative material is filled, and an electric heat cord installed in the interior of the heating hose, an electric mat, comprising:  
20       a heating hose which is provided in a center of the electric mat in a zig-zag shape; and

an electric heat cord which is provided in a concave portion formed in the heating hose in a longitudinal direction, wherein both surfaces of the electric mat is stacked by a wrinkled light weight plate or a plane type electric heat plate.

5 6. An electric mat of claim 1, wherein said regenerative material is a mixture formed of NaCl of 60~70 weight%, H<sub>2</sub>O of 20~30 weight%, NaOH of 5weight%, and CH<sub>3</sub>COOH of 5weight%.

7. An electric mat of either claim 2 or claim 3, wherein said plugging cap of  
10 the heating hose is formed of a synthetic resin material for preventing a regenerative material from being leaked from a heating hose.

8. An electric mat of claim 1, wherein a battery and a battery charger are connected to an output terminal of the controller, and a power is connected to a  
15 front end of the battery charger, and a switching means is connected between the battery and the electric heat cord, so that at a usual time an AC is supplied, and in an emergency state, a DC is supplied from the battery.

9. An electric mat of claim 1, wherein a regenerative material detector is  
20 provided in an input terminal of the controller for thereby detecting whether a regenerative material remains, so that when a regenerative material is exhausted

or is used by a certain degree, an alarm is generated through an alarming means connected to an output of the controller.

10. An electric mat using a regenerative material of claim 1 of claim 5 is adapted to a radiator adapted for an indoor heating or is adapted as a heating unit for a motel, a pension or a movable house.